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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/050,832	01/18/2002	Kazuhiko Ono	VX022408	1347
21369 75	590 02/05/2003			
VARNDELL & VARNDELL, PLLC			EXAMINER	
106-A S. COL ALEXANDRIA			JOHNSON, JONATHAN J	
			ART UNIT	PAPER NUMBER
			1725	<i>—</i>
			DATE MAILED: 02/05/2003	5

Please find below and/or attached an Office communication concerning this application or proceeding.

		a	NX			
	Application No.	Applicant(s)	10			
Office Action Commons	10/050,832	ONO ET AL.				
Office Action Summary	Examiner	Art Unit				
	Jonathan Johnson	1725				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timel the mailing date of this c D (35 U.S.C. § 133).	y. ommunication.			
1) Responsive to communication(s) filed on 18 J	anuary 2002 .					
2a) This action is FINAL . 2b) ☐ Thi	is action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims						
4) Claim(s) 1-4 is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	vn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-4</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)☐ The proposed drawing correction filed on	_ is: a) approved b) disappro	oved by the Examir	er.			
If approved, corrected drawings are required in reply to this Office action.						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
 Certified copies of the priority documents 	s have been received.					
2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14) Acknowledgment is made of a claim for domesti			l application).			
a) The translation of the foreign language pro	ovisional application has been rec	ceived.				
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	y (PTO-413) Paper No Patent Application (P				

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DETAILED ACTION

Priority

Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Japan on 1-22-01. It is noted, however, that applicant has not filed a certified copy of the Japanese application # 2001-013270 as required by 35 U.S.C. 119(b).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Offer (5,714,735). With respect to Claim 1, Offer teaches a laser welding method for supplying a filler wire to a welding object portion while projecting laser beam to said welding object portion (Figure 3b, Item 26d and 26e), wherein said filler wire is supplied obliquely from forward or backward in a welding advance direction such that an angle between the supplying direction and beam axis of said laser beam 2 is less than 45.degree (Column 8, lines 30-55).

With respect to Claim 2, the teachings of Offer are the same as relied upon in the rejection of Claim 1. Offer teaches a laser welding method wherein said filler wire is supplied

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from backward of said laser beam with respect to the welding advance direction (Figure 3b, item 26d or 26e).

With respect to Claim 3, the teachings of Offer are the same as relied upon in the rejection of Claim 2. Offer teaches a laser welding method, wherein said laser beam is weaved in a direction substantially perpendicular to the welding advance direction (Figure 4, Item 4).

With respect to Claim 4, the teachings of Offer are the same as relied upon in the rejection of Claim 3. Offer teaches a laser welding method wherein Vw/F.ltoreq.2D/sin .theta. is established when an angle between said beam axis L and a supplying direction of the filler wire 4 is .theta., the diameter of key hole is D, supplying speed of said filler wire is Vw and weaving frequency f said laser beam 2 is F (Figure 4, item 4).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jonathan Johnson whose telephone number is 703-308-0667. The examiner can normally be reached on M-Th 7AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on 703-308-3318. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

jj /// January 27, 2003

TOM DUNN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700